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(54) Title: ORALLY-ADMINISTERED LIVE BACTERIAL VACCINES FOR PLAGUE

(57) Abstract: The invention provides live, attenuated *Salmonella* bacterial strains that express one or more plague antigens of *Yersinia pestis* for use in live vaccine compositions that can be orally administered to an individual to protect against plague.

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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A01N 63/00; A01N 65/00 US CL : 424/93.1; 424/93.2 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 424/93.1; 424/93.2 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) East; Pub Med		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	Curtiss, III et al (US 6,780,405 B1).	1-11, 13-15
Y	Akzom N et al (WO 2005/021032 A1).	1-15
Y	Garmory, H. et al (Oral immunisation with live <i>aroA</i> attenuated <i>Salmonella enterica</i> serovar Typhimurium expressing the <i>Yersinia pestis</i> V antigen protects mice against plague, Vaccine, 2003; 21(3051-3057).	1-15
A	Garmory, H. et al (Antibiotic-free plasmid stabilization by operator-repressor titration for vaccine delivery by using live <i>Salmonella enterica</i> Serovar Typhimurium, Infection and Immunity, 2005; 73(4): 2005-11).	
Y	Lowery et al (US 2005/0019335 A1).	1-15
Y	Titball et al (US 5,985,285).	1-15
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